

Title (en)
DEVICE FOR HUMIDIFYING RESPIRATORY GAS

Title (de)
VORRICHTUNG ZUR ATEMGASBEFEUCHTUNG

Title (fr)
DISPOSITIF D'HUMIDIFICATION DE GAZ RESPIRATOIRE

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Application
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Abstract (en)
[origin: WO2011023165A1] The invention relates to a device for humidifying respiratory gas, at least comprising a control and regulation apparatus (1), a humidifier chamber (2) for humidifying the respiratory gas with molecular water vapor, a heating element (3) associated with the humidifier chamber for heating the humidifier chamber (2), a respiratory gas inlet (5) arranged upstream of the humidifier chamber (2), and a respiratory gas outlet (6) arranged downstream of the humidifier chamber (2). According to the invention, a heatable subsequent heating segment (7) is arranged between the outlet of the humidifier chamber (2) and the respiratory gas outlet (6), wherein at least one temperature/humidity sensor (8.1, 8.2) is placed in or after the subsequent heating segment (7), wherein said temperature/humidity sensor is supplemented to form a humidity control loop in connection with the control and regulation apparatus (1), the humidifier chamber (2), and the heating element (3).

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